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10/538231

RAW SEQUENCE LISTING

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Application Serial Number: 10/538,231

Source: PCT

Date Processed by STIC: 2/24/06

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/538,231

DATE: 02/24/2006

TIME: 12:54:07

Input Set : A:\2488019-sequence listing.txt
 Output Set: N:\CRF4\02242006\J538231.raw

3 <110> APPLICANT: Ofer MANDELBOIM
 4 Angel PORGADOR
 6 <120> TITLE OF INVENTION: NK CELL RECEPTOR CONJUGATES FOR TREATING MALIGNANCIES
 8 <130> FILE REFERENCE: 2488.019
 10 <140> CURRENT APPLICATION NUMBER: US 10/538,231
 11 <141> CURRENT FILING DATE: 2005-06-09
 13 <150> PRIOR APPLICATION NUMBER: PCT/IL2003/001040
 14 <151> PRIOR FILING DATE: 2003-12-09
 16 <150> PRIOR APPLICATION NUMBER: US 60/431,728
 17 <151> PRIOR FILING DATE: 2002-12-09
 19 <160> NUMBER OF SEQ ID NOS: 14
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 488
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
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 34 Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp
 35 20 25 30
 38 Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys
 39 35 40 45
 42 Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly
 43 50 55 60
 46 Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys
 47 65 70 75 80
 50 Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr
 51 85 90 95
 54 Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu
 55 100 105 110
 58 Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val
 59 115 120 125
 62 His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys
 63 130 135 140
 66 Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Lys Glu Gly Arg
 67 145 150 155 160
 70 Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro
 71 165 170 175
 74 Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly
 75 180 185 190
 78 Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu
 79 195 200 205

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82 Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro
83 210 215 220
86 Thr Phe Pro Ala Asp Thr Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr
87 225 230 235 240
90 Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asp Pro
91 245 250 255
94 Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
95 260 265 270
98 Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
99 275 280 285
102 Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
103 290 295 300
106 Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
107 305 310 315 320
110 Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
111 325 330 335
114 Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
115 340 345 350
118 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
119 355 360 365
122 Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
123 370 375 380
126 Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
127 385 390 395 400
130 Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
131 405 410 415
134 Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
135 420 425 430
138 Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
139 435 440 445
142 Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
143 450 455 460
146 Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
147 465 470 475 480
150 Ser Leu Ser Leu Ser Pro Gly Lys
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154 <210> SEQ ID NO: 2
155 <211> LENGTH: 364
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
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165 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Gln
166 20 25 30
169 Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp Ala Glu Pro His Phe Met
170 35 40 45
173 Val Pro Lys Glu Lys Gln Val Thr Ile Cys Cys Gln Gly Asn Tyr Gly
174 50 55 60

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177 Ala Val Glu Tyr Gln Leu His Phe Glu Gly Ser Leu Phe Ala Val Asp
178 65 70 75 80
181 Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys Val Lys Phe Tyr Ile Pro
182 85 90 95
185 Asp Met Asn Ser Arg Met Ala Gly Gln Tyr Ser Cys Ile Tyr Arg Val
186 100 105 110
189 Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu Leu Asp Leu Val Val Thr
190 115 120 125
193 Glu Met Asp Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro
194 130 135 140
197 Pro Cys Pro Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe
198 145 150 155 160
201 Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
202 165 170 175
205 Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
206 180 185 190
209 Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
210 195 200 205
213 Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
214 210 215 220
217 Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
218 225 230 235 240
221 Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
222 245 250 255
225 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
226 260 265 270
229 Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
230 275 280 285
233 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
234 290 295 300
237 Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
238 305 310 315 320
241 Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
242 325 330 335
245 Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
246 340 345 350
249 Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
250 355 360
253 <210> SEQ ID NO: 3
254 <211> LENGTH: 393
255 <212> TYPE: PRT
256 <213> ORGANISM: Homo sapiens
258 <400> SEQUENCE: 3
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261 1 5 10 15
264 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Tyr
265 20 25 30
268 Asp Thr Pro Thr Leu Ser Val His Pro Gly Pro Glu Val Ile Ser Gly
269 35 40 45

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272 Glu Lys Val Thr Phe Tyr Cys Arg Leu Asp Thr Ala Thr Ser Met Phe
 273 50 55 60
 276 Leu Leu Leu Lys Glu Gly Arg Ser Ser His Val Gln Arg Gly Tyr Gly
 277 65 70 75 80
 280 Lys Val Gln Ala Glu Phe Pro Leu Gly Pro Val Thr Thr Ala His Arg
 281 85 90 95
 284 Gly Thr Tyr Arg Cys Phe Gly Ser Tyr Asn Asn His Ala Trp Ser Phe
 285 100 105 110
 288 Pro Ser Glu Pro Val Lys Leu Leu Val Thr Gly Asp Ile Glu Asn Thr
 289 115 120 125
 292 Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Asp Thr Trp Gly Thr Tyr
 293 130 135 140
 296 Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His Ala Leu Trp Asp
 297 145 150 155 160
 300 Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 301 165 170 175
 304 Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
 305 180 185 190
 308 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 309 195 200 205
 312 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
 313 210 215 220
 316 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 317 225 230 235 240
 320 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
 321 245 250 255
 324 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 325 260 265 270
 328 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
 329 275 280 285
 332 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
 333 290 295 300
 336 Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
 337 305 310 315 320
 340 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 341 325 330 335
 344 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 345 340 345 350
 348 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 349 355 360 365
 352 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 353 370 375 380
 356 Lys Ser Leu Ser Leu Ser Pro Gly Lys
 357 385 390
 360 <210> SEQ ID NO: 4
 361 <211> LENGTH: 382
 362 <212> TYPE: PRT
 363 <213> ORGANISM: Homo sapiens
 365 <400> SEQUENCE: 4

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367 Met Gly Met Pro Met Gly Ser Leu Gln Pro Leu Ala Thr Leu Tyr Leu
 368 1 5 10 15
 371 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Leu
 372 20 25 30
 375 Trp Val Ser Gln Pro Leu Glu Ile Arg Thr Leu Glu Gly Ser Ser Ala
 376 35 40 45
 379 Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile Gly
 380 50 55 60
 383 Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val Arg
 384 65 70 75 80
 387 Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser Ser
 388 85 90 95
 391 Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val Arg
 392 100 105 110
 395 Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly Leu
 396 115 120 125
 399 Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu His
 400 130 135 140
 403 Pro Gln Leu Gly Asp Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr
 404 145 150 155 160
 407 Cys Pro Pro Cys Pro Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe
 408 165 170 175
 411 Leu Phe Pro Pro Lys Pro Asp Thr Leu Met Ile Ser Arg Thr Pro
 412 180 185 190
 415 Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
 416 195 200 205
 419 Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
 420 210 215 220
 423 Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
 424 225 230 235 240
 427 Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
 428 245 250 255
 431 Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
 432 260 265 270
 435 Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
 436 275 280 285
 439 Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
 440 290 295 300
 443 Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
 444 305 310 315 320
 447 Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
 448 325 330 335
 451 Gly Ser Phe Phe Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
 452 340 345 350
 455 Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
 456 355 360 365
 459 Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 460 370 375 380
 463 <210> SEQ ID NO: 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/538,231

DATE: 02/24/2006

TIME: 12:54:08

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